

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	192324US2
	First Inventor or Application Identifier	
	Satoru FURUTA	
Title	NOISE SUPPRESSION DEVICE	

Name:	Marvin J. Spivak	Registration No.:	24,913
Signature:	<i>Marvin J. Spivak</i>	Date:	6/5/03
Name:	C. Irvin McClelland Registration Number 21,124	Registration No.:	

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Satoru FURUTA

SERIAL NO.: New Application

FILED: Herewith

FOR: NOISE SUPPRESSION DEVICE

STATEMENT OF RELEVANCY**Reference AO (9-212196) on Form PTO-1449:**

In a spectral subtraction method, let an estimated noise spectrum be multiplied by an auditory or "perceptual" weighting coefficient. After having obtained a difference between the resultant value and an input signal spectrum, convert the difference value into a time domain or "time-base" signal. In case residual noises are found in such timebase signal, apply amplitude suppression thereto by loss control techniques for reduction of the residual noises.

Reference AW on Form PTO-1449:

To perceptually reduce distorted sounds by noise suppression processing, let an output audio signal obtainable after noise suppression processing undergo smoothing over an amplitude spectrum in its preceding and proceeding time domains; then, perform amplitude suppression within background noise domains only.

Docket No. 192324US2

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LIST OF INVENTOR'S NAME AND ADDRESS

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Listed below is the name and address of the inventor for the above-identified patent application.

Satoru FURUTA

Tokyo, Japan

A declaration containing all the necessary information will be submitted at a later date.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
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100-0904090507612 PRO
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GAU:

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EXAMINER:

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REQUEST FOR PRIORITY

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

- Full benefit of the filing date of U.S. Application Serial Number, filed, is claimed pursuant to the provisions of 35 U.S.C. §120.
- Full benefit of the filing date of U.S. Provisional Application Serial Number, filed, is claimed pursuant to the provisions of 35 U.S.C. §119(e).
- Applicants claim any right to priority from any earlier filed applications to which they may be entitled pursuant to the provisions of 35 U.S.C. §119, as noted below.

In the matter of the above-identified application for patent, notice is hereby given that the applicants claim as priority:

<u>COUNTRY</u>	<u>APPLICATION NUMBER</u>	<u>MONTH/DAY/YEAR</u>
Japan	11-162240	June 9, 1999

Certified copies of the corresponding Convention Application(s)

- are submitted herewith
- will be submitted prior to payment of the Final Fee
- were filed in prior application Serial No. filed
- were submitted to the International Bureau in PCT Application Number .
Receipt of the certified copies by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.
- (A) Application Serial No.(s) were filed in prior application Serial No. filed ; and
- (B) Application Serial No.(s)
 - are submitted herewith
 - will be submitted prior to payment of the Final Fee

Respectfully Submitted,

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INVENTOR(S) Satoru FURUTA

SERIAL NO: New Application

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FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	10 - 20 =	0	× \$18 =	\$0.00
INDEPENDENT CLAIMS	1 - 3 =	0	× \$78 =	\$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)			+ \$260 =	\$0.00
<input checked="" type="checkbox"/> LATE FILING OF DECLARATION			+ \$130 =	\$130.00
			BASIC FEE	\$690.00
			TOTAL OF ABOVE CALCULATIONS	\$820.00
<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY				\$0.00
<input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
<input type="checkbox"/> RECORDATION OF ASSIGNMENT			+ \$40 =	\$0.00
			TOTAL	\$820.00

Please charge Deposit Account No. 15-0030 in the amount of A duplicate copy of this sheet is enclosed.

A check in the amount of **\$820.00** to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.
A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

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